

Date: Fri, 7 Oct 94 09:09:31 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: List
Subject: Info-Hams Digest V94 #1102
To: Info-Hams

Info-Hams Digest Fri, 7 Oct 94 Volume 94 : Issue 1102

Today's Topics:

(none)
* SpaceNews 10-Oct-94 *
1/2" CATV hardline connectors?
2-meter multimode FOR SALE (3 msgs)
2nd Floor Ground or No Ground? (2 msgs)
APOLOGIES FOR POSTING "FOR SALE"
attach to EARTH
FOR SALE: 2-meter Multimode (REPOST)
FT-290R Mk II FOR SALE
Help identifying some SMT devices
how do you study for code?
Interference with a garage door
LIMARC Hamfest Oct 16
Looking for Hamfests
Looking for Tech Exams in the Wash DC area
Wanted: Radio-Modems with range > 100 miles?
Where Do I Send My Renewal Form????

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 7 Oct 94 13:23:21 GMT
From: PEMS_ST_DK@noeca.ohio.GOV
Subject: (none)

subscribe

Date: 7 Oct 94 15:16:57 GMT
From: magliaco@pilot.njin.NET (John Magliacane)
Subject: * SpaceNews 10-Oct-94 *

SB NEWS @ AMSAT \$SPC1010
* SpaceNews 10-Oct-94 *

BID: \$SPC1010

=====
SpaceNews
=====

MONDAY OCTOBER 10, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited free distribution.

* FO-20 NEWS *
=====

FO-20 was switched back into analog mode on a 14:30z pass of 28-Sep-94, and it is not known whether it was a result of ground command or not. The command station announced that the "Mailbox software ran away and malfunctioning of UVC (Under Voltage Control) was confirmed by command station. FO-20 will remain in Mode JA until 10 Oct.'94."

[Info via Kazu, JJ1WTK]

* NASA SPACELINK *
=====

For info on the upcoming Shuttle flight and other current NASA activities, look under "Hot Topics" on NASA's Spacelink BBS. The BBS is located in Huntsville, Alabama, USA, and may be reached at 1-205-895-0028. Internet users may access the system via the TCP/IP address of 192.149.89.61.

The updated Spacelink system fully supports the following Internet services:

| | |
|----------------|---|
| World Wide Web | http://spacelink.msfc.nasa.gov |
| Gopher | spacelink.msfc.nasa.gov |
| Anonymous FTP | spacelink.msfc.nasa.gov |

Telnet spacelink.msfc.nasa.gov

[Info via N5IST & N7PTM]

* REMINDER *

=====

SpaceNews is a non-commercial electronic publication serving the interests of Amateur Radio Operators and is available for unlimited distribution provided no charge is made for its access.

SpaceNews has been distributed on the Amateur Packet Radio Network for seven years, and has recently been made available via the AMSAT-OSCAR-16 satellite file server. It is also available via the Internet by using the command "finger magliaco@pilot.njin.net".

Archives of past issues are available via anonymous FTP at pilot.njin.net in the /pub/SpaceNews sub-directory. Other sub-directories have been allocated for ham-related software, GIF images, and text information files.

* THANKS! *

=====

Thanks to all those who sent messages of appreciation to SpaceNews, especially:

| | | | | | | | |
|-----------------|--------|---------------|-------|-------|-------|-------|--------|
| KX1S | WA1SOV | ZL1MO | N2TTT | N2YQC | G3XGY | KD7AI | HS0ZB0 |
| David Desrocher | | Daniel Robino | | | | | |

* FEEDBACK/INPUT WELCOMED *

=====

Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107
PACKET : KD2BD @ N2KZH.NJ.USA.NA
INTERNET : kd2bd@ka2qhd.de.com -or- kd2bd@amsat.org
SATELLITE : AMSAT-OSCAR-16, LUSAT-OSCAR-19

MAIL : John A. Magliacane, KD2BD
 Department of Engineering and Technology
 Advanced Technology Center
 Brookdale Community College
 Lincroft, New Jersey 07738
 U.S.A.

Date: Thu, 6 Oct 1994 17:33:10 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: 2-meter multimode FOR SALE

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE" post.

>
>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

Date: Thu, 6 Oct 1994 17:27:57 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: 2-meter multimode FOR SALE

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE " post.

>
>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

Date: Thu, 6 Oct 1994 17:28:54 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: 2-meter multimode FOR SALE

rsnyder@astro.ge.com (Bob Snyder) writes:

>>>>> "K4MSG" == Paul H Bock <phb@syseng1.melpar.esys.com> writes:

> K4MSG> FOR SALE: Yaesu FT-290R Mk II 2-meter SSB/CW/FM multimode,
> K4MSG> 25 w. output, 10 memories, 2 VFOs, scan. Absolutely mint,
> K4MSG> new condition. \$500.00 brings it to your door. Very nice
> K4MSG> compact radio, but I prefer a HF rig & transverter setup.

>Please don't cross-post into the discussion groups.

>Bob

Sorry for the "FOR SALE" post.

K4MSG :-(

Date: Fri, 7 Oct 1994 01:45:15 GMT
From: wrt@eskimo.com (Bill Turner)
Subject: 2nd Floor Ground or No Ground?

In article <36puci\$4dl@sefl.satelnet.org>, James Messer <jmesser@satelnet.org> wrote:
>I've recently moved into a new house, and my shack is now on the 2nd
>floor. This new location has provided me with few questions, one of
>which includes the ground for my rigs and antenna.
>
>Some folks say to keep a ground, even though the ground might be as
long
>as 40 feet. Others say to do without a ground completely.
>
>Still others suggest using the existing ground that is used in the
>house's electrical system. To confuse things further, I've also seen
the
>artificial grounds that are advertised in catalogs (MFJs, for
instance).
>
>So, what to do? What options do I actually have? What are others
>on the 2nd floor doing? Any suggestions would be appreciated.
>
>73,
>James - KE4LAY

James, there are indeed evil spirits in the air, and some of them will tell you to ground your rig if you want to get out. Don't listen to them.

Your RF belongs up in the air where it can radiate like the Chief Op intended, not run through lossy earth like your neighbors would prefer. RF energy is expensive to generate - treat it like the precious thing it is. Never allow it to flow through anything that soaks up power like plain 'ol dirt.

The only two reasons you need to "ground" your rig are for safety, meaning 60 Hz, not RF, and for lightning protection. DO heed the advice of those who know about those things, but keep your RF away from anything that dissipates instead of radiates and the DX will come your way.

73, W7LZP

Date: Thu, 6 Oct 1994 03:26:47 GMT
From: dale.piedfort@pcappbbs.com (Dale Piedfort)
Subject: 2nd Floor Ground or No Ground?

Never ground to the electrical system of your house, will cause you more grief than its worth. A good ground should be as short as possible to an 8 foot ground rod, in your case that will be next to impossible. MFJ does make an artificial ground that will give you an adequate ground for your station. Keep the leads away from prying hands or you can get a good burn from them. This is one MFJ product that will work for you. For more details on a good ground pick up a copy of the Amateur Handbook and go from there.

dale.piedfort@pcappbbs.com

ARS KB7UB

Date: Thu, 6 Oct 1994 17:44:47 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: APOLOGIES FOR POSTING "FOR SALE"

Sorry!!! :-(Won't happen again.....

73 DE K4MSG

Date: Fri, 7 Oct 1994 12:16:09 +0000
From: Mike@g4kfk.demon.co.uk (Mike Gathergood)
Subject: attach to EARTH

Hi Alex,

> Does anyone know if there is an alternative to using a ground spike, or
> domestic radiator, to obtain an earth connection for my HF receiver? Are
> there other simpler ways to obtain an earth? Artificially? If you could help
> me, please drop me a note.

That's the second time this question has been asked this week in this news group!

One solution is to cut a few quarter-wavelengths of wire, one for each of

your favourite bands, and connect them all together at one end. Connect that end to the chassis of the receiver. Then drape the free ends around room - no need to keep them straight. You could tack them to the skirting boards and around doorframes, or simply spread them around under the carpet.

Example lengths:

7 MHz about 33'
10 MHz about 23'
14 MHz about 16'6"
21 MHz about 11'6"
28 MHz about 8'3"

Hope this helps.

73
Mike
G4KFK (near Sunny Slough)

* The CQ Centre BBS * 01753 595468 and 01753 593524 * Fidonet 2:252/320 *
* Hundreds of Megabytes of Quality Software for Radio Amateurs and SWLs *
* Tel 01753 582085 * Fax 01753 592726 * Internet mike@g4kfk.demon.co.uk *

Date: Thu, 6 Oct 1994 17:34:16 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: FOR SALE: 2-meter Multimode (REPOST)

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE" post.

>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

Date: Thu, 6 Oct 1994 17:32:20 GMT
From: phb@syseng1.melpar.esys.com (Paul H. Bock)
Subject: FT-290R Mk II FOR SALE

phb@syseng1.melpar.esys.com (Paul H. Bock) writes:

Sorry for the "FOR SALE" post.

>(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
> | |) Telephone: (703) 560-5000 x2062 (work)
> (703) 882-4745 (home)

Date: Fri, 7 Oct 1994 02:25:13 GMT
From: wrt@eskimo.com (Bill Turner)
Subject: Help identifying some SMT devices

Can only answer part of your question: Why all the resistors in parallel? Since parts have become so cheap and labor so expensive, manufacturers have found it more expedient to parallel or series components to create the value desired rather than spend the effort to stock many different part numbers. Two 10Ks = either a 5K or a 20K with no extra documentation at all. Make it three or four or more and the savings get even larger. Granted, the purists will complain about reliability when using more parts, but the reliability of components run at low power these days is so much better than the old days that it doesn't really matter.

Hope this helps.

73, W7LZP

Date: Fri, 7 Oct 1994 12:19:48 +0000
From: Mike@g4kfk.demon.co.uk (Mike Gathergood)
Subject: how do you study for code?

Hi Mike,

> well the title says it all. please post or e-mail.

There are boatloads of excellent morse tutors for most types of computer. Not sure where you are, but if you're in the UK try the BBS below where you'll find dozens of tutors for the PC, a couple for the Amiga, one for the Mac and one for the ST - all free and downloadable on the first call.

If you're outside the UK, add the access code, then 44, and drop the 0 (for USA, 011 44 753 595468).

73
Mike
G4KFK

* The CQ Centre BBS * 01753 595468 and 01753 593524 * Fidonet 2:252/320 *
* Hundreds of Megabytes of Quality Software for Radio Amateurs and SWLs *
* Tel 01753 582085 * Fax 01753 592726 * Internet mike@g4kfk.demon.co.uk *

Date: 6 Oct 94 12:05:24 EDT
From: landisj@drager.com (Joe Landis - Systems & Network Mgr)
Subject: Interference with a garage door

In article <Cx6IJ8.C82@news.Hawaii.Edu>, jeffrey@kahuna.tmc.edu (Jeffrey Herman)
writes:

[...stuff deleted...]

> Hey, this might be the beginning of a new ARRL contest: WAG'D (for
> Worked All Garage Doors).

>

> SAG'D would be all doors within a state
> CAG'D would be all doors within a county
> FAG'D for opening foreign doors

>

> Did I miss some?

GAG'G - worked all U.K. garage doors.

Joe - AA3GN

--

Joe Landis - Systems and Network Manager - North American Drager - Telford, PA
landisj@drager.com - Ax25: AA3GN@WA3TSW.#EPA.PA.USA.NOAM - ampr: [44.80.8.153]
Counting the days til deer season! Politically correct sig not available.

Date: 6 Oct 1994 13:54:42 -0400
From: ss@JH.Org (Steve Steinberg)
Subject: LIMARC Hamfest Oct 16

Sunday Oct. 16 there is a Hamfest sponsored by LIMARC (Long Island
Mobile Amateur Radio Club). Although this is not an official
announcement I am a member of the club and didn't notice any other
postings on usenet so I thought I would pass the word.

Place: New York Institute of Technology, Long Island, NY

Time: October 16 9:00 am

Cost: \$6 or \$7, I can't remember which. Sweethearts and Harmonics Free.

New Equipment Vendors
Free Radio Tune-up Clinic
Free Parking
Refreshments

Talk-in: w2vl 146.85/146.25 pl 136.5 (Wide Area Coverage)

If you need more info call me evenings at (718) 738-9522. It should be a big one! See you there. Steve, kb2rve.

--

ss@jh.org Steve Steinberg Radio Amateur Callsign: KB2RVE

Date: 6 Oct 1994 13:45:25 -0400
From: ss@JH.Org (Steve Steinberg)
Subject: Looking for Hamfests

donald.davis@moondog.com (Donald Davis) writes:

>JH>in the to arrive mail] Can anyone recommend a source of information
>JH>in the regarding hamfests Southern NJ/NY/Eastern PA area? I really
>JH>like going to these things - but I just don't know how to find 'em.

How about the LIMARC Hamfest? It's at the NY Institute of Technology on Long Island on Oct 16. Should be a big one!!

New equipment vendors will be there, Free tune-up clinic (for your radio, not your car), free parking and refreshments.

Talk in in W2VL 146.85/146.25 PL 136.5. W2VL has very wide coverage and can be hit from areas adjacent to Long Island (parts of NJ, CT and the Bronx and Manhattan).

Entrance Fee \$6 or \$7 (I can't remember which) with Sweatharts and Harmomics Free!!!

If you need more info, e-mail me or call me at (718) 738-9522 evenings.

Yes, I am a member of LIMARC and this is an advertisement :-)

--

ss@jh.org Steve Steinberg Radio Amateur Callsign: KB2RVE

Date: Thu, 06 Oct 94 23:45:22 EDT
From: dave@alex.dgsys.com
Subject: Looking for Tech Exams in the Wash DC area

John:

The Mt Vernon Radio Club conducts tests on the third saturday of each month at the Lee District Rec Center south of Alexandria Virginia. 9am. They do a real good and friendly job. If you need more details, Email me.

Sincerely,

Dave Tucker
dave@alex.dgsys.com
KD4RNG
Alexandria, Virginia

Date: Thu, 6 Oct 1994 19:08:07 GMT
From: utz@ax.ibase.org.br (Utz Neiser)
Subject: Wanted: Radio-Modems with range > 100 miles?

can somebody give a hint where to get a pair of Radio-Modems to connect a PC in the middle of nowhere to some phone-line about 100 miles away?

We are a NGO in Brazil working in the field of democratization of information. In this sense we are looking for some low cost equipment to allow as well persons far away from civilisation the access to computer-networks and BBSs.

Any hint with Mail, E-mail or Fax-number of manufacturer appreciated.

Utz

Date: Thu, 06 Oct 1994 19:09:42 -0800
From: Ed_Velez@smtp.esl.com (Ed Velez)
Subject: Where Do I Send My Renewal Form????

In article <371pqk\$4tq@yrkpa.kias.com>, mhess@yrkpa.kias.com (M. K. Hess) wrote:

> Help! I've just remembered that my ticket expired in the end of Aug.
> I've filled out my renewal form, with a photocopy of my old ticket.
>
> Now, where does it get sent???? The form has no mailing address. I
> live in York, PA. Does it go to Gettysburg? If so, whats the address?
>
> If anyone can help please drop me some E-mail at
> mhess@yrkpa.kias.com
>
> Thanks in advance
>
> N3EAQ

Send your FCC 610 form dated 11/93 to:
FCC
1270 Fairfield Road
Gettysburg, PA 17325-7245

Date: Thu, 6 Oct 1994 17:44:23 GMT
From: ehare@arrl.org (Ed Hare (KA1CV))

References<36rn41\$1d7@newsgate.dircon.co.uk> <Cx6DoJ.5Gu@vectorbd.com>,
<phb.781361965@melpar>
Subject: Re: "How far" does 1 milliwatt (and 1 watt) go?

Back when I actually found time to get on the air (I DID get to play in the /125 event -- a blast!!!), I was using 250 milliwatts to get my Worked All States award. One day I was chatting with a ham in Florida (sure wish I remembered his call!), who was running 100 watts. When he heard I was 250 mW, he decided to drop power, too.

He cut back to 50 watts, whereupon I told him I couldn't tell the difference. He then cut back to 10 watts, then 5 watts, then one watt. At the latter I told him he was down to only 10 dB over S9! He then came back to me at RST 579 and said that he couldn't even see his power meter moving. I told him he was still Q5.

Then he told me to wait. About 15 seconds later he was in there, as weak as I could imagine. I copied most of what he had to say, but told him he did have to increase the power as he was only about Q3 and I was having a real hard time. He came back with the CW HI HI, and told me that I had just copied 5 watts into his dummy load.

I think we both learned something that day. :-)

73 from ARRL HQ, Ed

--

Ed Hare, KA1CV, ARRL Laboratory, 225 Main, Newington, CT 06111
203-666-1541 ehare@arrl.org

Date: Thu, 6 Oct 1994 04:28:35 GMT
From: brettb@cruzio.com

References<36rn41\$1d7@newsgate.dircon.co.uk> <Cx6DoJ.5Gu@vectorbd.com>,
<hamilton.781374282@BIX.com>
Reply-To: brettb@cruzio.com
Subject: Re: "How far" does 1 milliwatt (and 1 watt) go?

In article <hamilton.781374282@BIX.com>, hamilton@BIX.com (hamilton on BIX)
writes:

> This talk of distance/watt records has me thinking: it certainly
> isn't amateur stuff, but aren't all the real QRP records held by
> the space probes? Voyager was transmitting back to earth out
> beyond Jupiter! And wasn't that on only a few watts?
> 'Course, it DID take a hell of an antenna back here. I trust you've
> all seen pictures of Aracebo!

You don't even need Aracebo. In the book FIRST CONTACT, author/hams
Cullers and Alschuler describe an amateur SETI station composed of a
3-4 meter dish, an ICOM 7000, a GaAs FET amplifier providing a system
noise temperature of about 100K. With a digitizer board and a computer
software capable of Fourier Transform spectrum analysis you would have
a competent system.

The authors recommended using Voyager II (then at about 30 A.U. from
Earth) broadcasting at 20 watts on 8 GHz as a test target! I wonder if
anyone actually did this?

Now when someone actually picks up ETI, that will probably set a few
interesting records. ;@} And who said microwave wasn't good for DX? ;@}

--

Brett Breitwieser (brettb@cruzio.com)
Clinical Hypnotherapist (Certified by the National Guild of Hypnotists)
Director, Axis Mundi: *Axis Mundi* as the Image of *Proto Phallos*
Member, Therapists for Social Responsibility

Date: Fri, 7 Oct 1994 13:06:39 GMT

From: josemj1@aplmail.jhuapl.edu (Marshall Jose)

References<1994Sep29.215828.3212@ecdcsvr.tredydev.unisys.com>
<dkraussCx2BHu.J2q@netcom.com>, <371ds2\$8ah@snoopy.jh.org>
Subject: Re: 1/2" CATV hardline connectors?

>
> ...<many techniques for terminating hardline discussed>...
>

The only method which worked for me was to use an N male connector intended for RG-8 or RG-214:

1. Using a 1/2" drill, enlarge the I.D. of the clamp nut (the thing that normally slips over the jacketed coax and threads into the back of the connector) to 0.500" (for 1/2" hardline).
2. Buy a 1/2" compression ring from the hardware store and, using some precise tool like a Dremel with cutoff wheel, cut the ring diagonally. This cut will allow reasonable force to compress the ring onto the aluminum hardline without too much deformation.
3. Prepare the hardline by stripping the outer shield and foam back 1/8" from the center conductor.
4. Patiently file down the center conductor's diameter until it will permit the N connector's center pin to be soldered on. Solder it.
5. Put it all together.

This technique gives good electrical performance but will not grip the hardline mechanically very well. Make sure the weight of the hardline is borne by something other than the connector.

Also, aluminum and copper/brass/bronze get along poorly (they corrode each other). Be sure to sand and clean all surfaces which will contact dissimilar metals, and lightly coat these surfaces with silicone grease or such (the hardware store has this sort of goop for people with aluminum wire in their houses). Some sort of butyrate weather coating (such as ScotchKote) on the outside will also help keep moisture out, as will self-vulcanizing rubber tape (such as Scotch 23).

Marshall Jose, WA3VPZ
josemj1@aplmail.jhuapl.edu

End of Info-Hams Digest V94 #1102
